



## Public Works Department

### REGIONAL PROGRAM

#### ENVIRONMENTAL

#### Regional Sewerage Service Contract With Inland Empire Utilities Agency (IEUA)



Inland Empire Utilities Agency (IEUA, formerly known as the Chino Basin Municipal Water District, CBMWD) is a municipal water district that distributes imported water from the Metropolitan Water District of Southern California and provides municipal / industrial wastewater collection and sewerage treatment services to more than 700,000 people within a 242-square-mile area in the western portion of San Bernardino County. The Agency provides service to the cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland, as well as the Cucamonga Valley and Monte Vista Water Districts and the Water Facilities Authority.

The City of Upland and the six (6) other cities in the west end of San Bernardino County entered into a Regional Sewerage Service Contract in 1972 with CBMWD for the treatment and disposal of their sewage. The cities own and operate their own sewage collection systems that deliver their sewage flows into regional sewer trunk lines to the regional wastewater treatment at reclamation facilities.

Under this contract, the cities including Upland are obligated to adhere to certain quality standards for the wastewater conveyed and delivered to the regional systems. The cities pay IEUA for treatment and disposal of their sewage.

#### Water Treatment and Reclamation Process:

Treated and reclaimed wastewater goes through a series of purification steps that clean the wastewater to make it safe for virtually all non-potable uses, including landscape irrigation and industrial processing and cooling applications:

- Preliminary Treatment: Wastewater flows through bar screens and grit chambers where the more dense materials, sand, grit, stones, rags, etc. are removed

**City Of Upland**  
Public Works Department  
1370 N. Benson Ave  
Phone: 909.291.2974



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- Primary Treatment: As wastewater goes through sedimentation tanks, approximately 65% of suspended solids are removed
- Secondary Treatment: This is the biological process in which the organic solids are consumed by micro-organisms. This process removes in excess of 90% of the organic material in the wastewater
- Tertiary Treatment: In the final stage, water is passed through sand filters to remove suspended organic solids, bacteria and viruses. After filtration, disinfection is provided through the use of chemical or ultraviolet light to produce recycled water that meets stringent standards, providing a consistently reliable, high quality of water.